

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: LIEDY, Werner  
Serial No.: 10/510,980  
National Phase: October 13, 2004  
Entry Date:  
Title: REACTOR AND METHOD FOR TREATING FLUIDS BY USING  
PHOTOCATALYSIS COUPLED WITH PHOSPHORESCENT SOLIDS  
Group: 4151  
Examiner: TAI, Xiuyu  
Attorney Ref.: PAT 2480W-2 US

April 17, 2008

**Mail Stop Amendment**

Commissioner for Patents  
United States Patent and Trademark Office  
P.O. Box 1450  
Alexandria, Virginia  
22314-1450  
U.S.A.

Dear Sir:

**RESPONSE TO THE ELECTION/RESTRICTION REQUIREMENT**

This correspondence is in response to the Office Action dated March 11, 2008.

The Examiner requests restriction to the claims to one of Groups I to III. The Applicant hereby elects to restrict to Group III (claims 14-17 and 23), with traverse.

The arguments for traverse are as follows:

1. This is a National Phase of a PCT application, consequently the rules for unity of invention apply.
2. There is a novel and inventive feature present in both the reactor and the process claims, namely the use of phosphorescence to provide activation energy of photocatalysis. This feature is not anticipated or obvious in view of documents relating to photocatalysis as such or to particles showing phosphorescence. Nobody used photophorescence as activation energy for photocatalytic reactors or processes before the invention was made.

3. The special feature is not microradiators as such, but use of phosphorescent particles as activation energy means.

A request for a one (1) month extension of time is enclosed herewith. The Commissioner is hereby authorized to debit \$120.00 from Deposit Account No. 501593, in the name of Borden Ladner Gervais LLP, representing the fees for a one-month extension of time. The Commissioner is further authorized to debit any additional amount required, and to credit any overpayment to the above-noted deposit account.

Respectfully submitted,

**LEIDY, Werner**

By: /Gail C. Silver/

**Gail C. Silver**

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